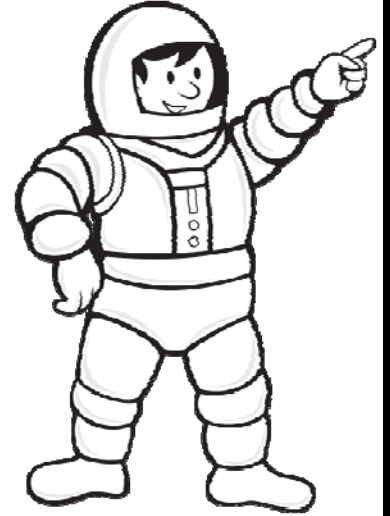


Name _____

Find the Percentage of a Value (Using the Decimal Method) Lesson

Bruce located a belt of asteroids in the direction of his spaceship. The asteroid field contained 846 asteroids. Bruce's navigator, Sheila, determined that 19% of the asteroids could severely damage the ship. How many asteroids are present in the asteroid field that could severely damage the ship? (Use the decimal method for determining the value.)



Explanation:

The problem is basically looking for us to find: 19% of 846

We are asked to use the decimal method. This tells us to convert the percentage to a simple decimal and multiply it by the integer in question.

If we consider that $1 = 100\%$, this would mean that $0.19 = 19\%$

To complete the problem: $0.19 \times 846 = 160.74$

160.74 would be rounded up to 161.

161 asteroids could severely damage the spaceship.

